查询GS3T5-5.2供应商

SGS-THOMSON MICROELECTRONICS

GS3T5-5.2

3 W DC-DC CONVERTER FOR ECL

Type	V_i	V_o	Io
GS3T5-5.2	5 V	5,2 V	600 mA

DESCRIPTION

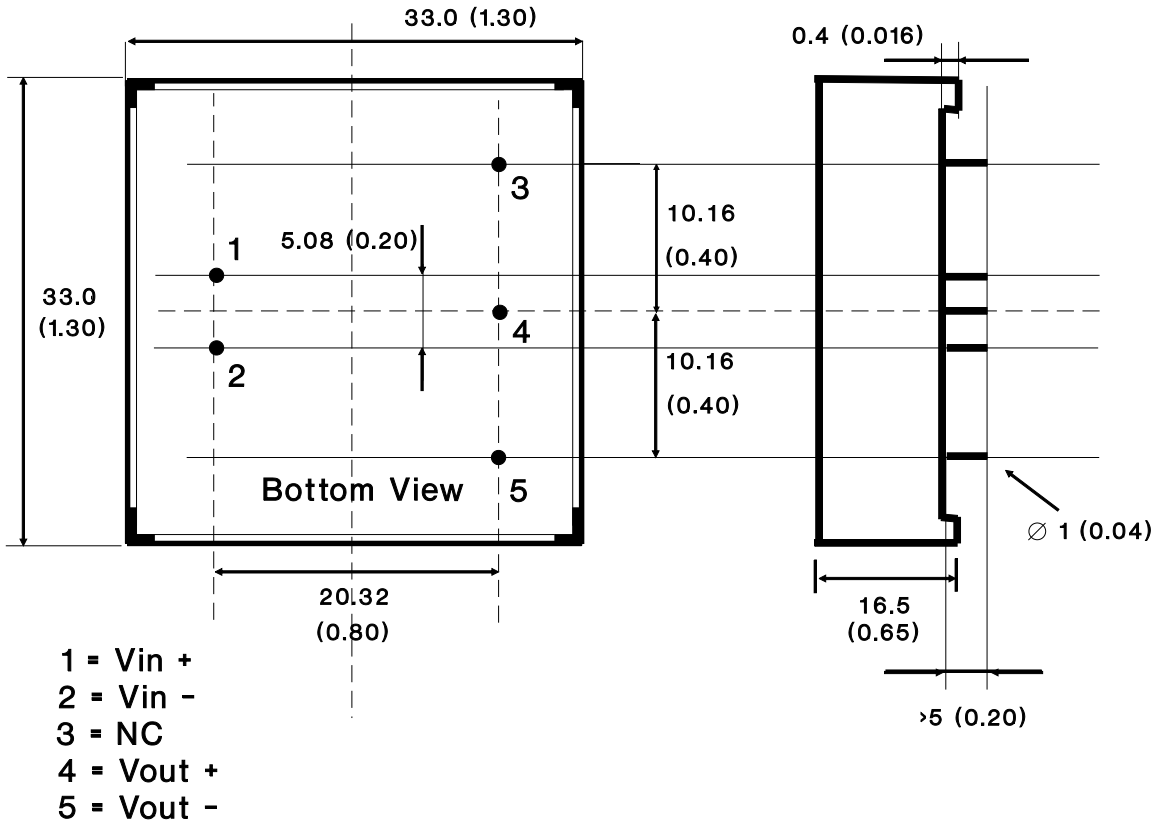
The GS3T5-5.2 is a 3.12W DC-DC converter designed to provide an isolated 5.2V/600mA power source.

The module operates from a 5V input source and features continuous short-circuit protection.

ELECTRICAL CHARACTERISTICS ($T_{amb.}$= 25° C unless otherwise specified)

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
V_i	Input Voltage	V_O = 5.2V I_O = 0 to 600mA	4.75	5.00	5.25	V
I_{ir}	Reflected Input Current	V_i = 5V V_O = 5.2V I_O = 600mA		25	50	mApp
V_O	Output Voltage	V_i = 4.75 to 5.25V I_O = 0 to 600mA	5.04	5.20	5.36	V
V_{or}	Output Ripple Voltage	V_i = 5V I_O = 600mA		5	15	mV_{RMS}
Vorn	Total Output Ripple and Noise Voltage	V_i = 5V I_O = 600mA			70	mVpp
δV_{OL}	Line Regulation	V_i = 4.75 to 5.25V I_O = 600mA		2	10	mV
δV_{OO}	Load Regulation	V_i = 5V I_O = 50 to 600mA		10	15	mV
I_O	Output Current	V_i = 4.75 to 5.25V V_O = 5.2V	0		600	mA
I_{osc}	Output Short-circuit Current	V_i = 5V		900	1500	mA
V_{is}	Isolation Voltage		750			V_{DC}
f_S	Switching Frequency	V_i = 5V I_O = 600mA		70		kHz
η	Efficiency	V_i = 5V I_O = 600mA	70	75		%
Top	Operating Ambient Temperature Range	Still Air	0		+60	°C
Top	Operating Ambient Temperature Range	Forced Ventilation, air speed = 100 LFM	0		+70	°C
Tstg	Storage Temperature Range		– 40		+85	°C

CONNECTION DIAGRAM AND MECHANICAL DATA



Package C. Dimensions in mm (inches)

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